



UNIVERSAL PRECISION SCREWS

QUALITY CERTIFICATIONS



ISO 9001 : 2015

IATF 16949 : 2016

ISO 14001 : 2015

ISO 45001: 2018

AS 9100 D

CE MARKING

ISO 17025



PED

NADCAP - HEAT TREATMENT

NADCAP - NDT

ABOUT UPS

Universal Precision Screws, is a leading manufacturer of top quality Industrial and commercial fasteners with track records parallel to none in the region. As a customer caring organization, we understand current business climate and ever changing market demands high precision , speed and efficient delivery system. Our unique business model, varied product line , large network of regional offices and strong local relationship with our customer ensures we meet and exceed the expectation of our valued customer in real-time system.

After being founded in 2006 ,the company has marked its presence globally as reliable manufacturer, driven by 'quality', 'eco-innovative technology' and 'Connecting with Customer' approach.

Today, UPS caters the requirements of OEM's, Automotives, Tier 1 & Industrial distributors in over 30 countries by supplying more than 5000 unique line items. UPS's strength is its depth & breadth expertise in manufacturing of various product lines such as Socket Head Shoulders Screws, Dowel Pins, Piston pins and print parts.

An enterprising spirit and the ability to offer wide range of products has been the hallmark of our company's existence, we are committed to create deeper connection with our customer through continual improvement, legendary customer service and total customer satisfaction.



THE STORY SO FAR...

UPS derives its strengths and experience from manufacturing high quality grade 12.9 socket head cap screws for last three decades. UPS capability meets the stringent quality systems laid down by large and reputed automotive, heavy-duty engines and wind energy companies. Some of the competencies and capabilities speak of confidence with transmission fasteners, engine fasteners, marine engines, high temperature fasteners, enduring high fatigues strength fasteners, wind turbine and its foundation bolts.

UPS has gained the capability in manufacturing Titanium Fasteners and Nickel Alloy Fasteners used in Aerospace and other programs.

SHOULDER SCREWS

Shoulder Screws are fasteners with an unthreaded shank. The unthreaded shank is higher when compared to its threaded diameter, which is located under the head. Shoulder screws can be used to attach one machine part to another, or as a plain bearing in places where rotary or sliding motion is required. Shoulder Screws can be made from Steel or Stainless Steel, and are often heat-treated with a black oxide finish.

Although suppliers of shoulder screws use different naming conventions, there are several basic types of products. Examples include locating screws, **Socket Shoulder Screws**, **Stripper Bolts**, **Socket Head Shoulder Screws**, **Shoulder Bolts** and **Swing Bolts** or **Latch Bolts**.

METRIC SERIES

ISO 7379-1983 Hexagon Socket Shoulder Screws

Electronics Industries - Per Berg Spec

DIN 609 / 610 Hexagon Head Shoulder Screws

INCH SERIES

ASME B 18.3-2012 Hexagon Socket Head Shoulder Screw

Electronic Industries - Per Berg Spec

APPLICATIONS SHOULDER SCREWS

CNC Machines

Belt Drive System

Construction Equipment

Sliding

Chucks

Hinges

Automobile Seats



Shoulder Screws

Product Range

| | FROM | UPTO |
|--|-------------|--------------|
|  ISO 7379-1983 Hexagon Socket Shoulder Screws-Alloy Steel | 6/M5 | 25/M20 |
|  ISO 7379-1983 Hexagon Socket Shoulder Screws-Stainless Steel | 6/M5 | 25/M20 |
|  ASME B 18.3-2012 Hexagon Socket Head Shoulder Screw-Alloy Steel | 1/4[#10-24] | 1 1/4[7/8-9] |
|  ASME-2012 Hexagon Socket Head Shoulder Screw (AISI 304 & AISI 316) | 1/4[#10-24] | 1 1/4[7/8-9] |
|  ASME B 18.3-2012 Hexagon Socket Head Shoulder Screw (Sizes below 1/4 diameter) | 1/8[#4-40] | 3/16 [#8-32] |
|  UPS Norm 1016-Hexagon Socket Head Shoulder Screws (Sizes below Dia 6mm) | 4/M3 | 5/M4 |
|  Electronics Industries - Metric Series - UPS Norm 1020- Hexagon Socket Shoulder Screws | 4/M3 | 12/M10 |
|  Electronic Industries - Inch Series - UPS Norm 1021-Hexagon Socket Shoulder Screw | 1/8[#4-40] | 1/2 [3/8-16] |

DOWEL PINS

Pins are a unique type of fasteners that can hold two materials together non-permanently. Unlike bolts and nuts, which press the materials together for holding power, pin can hold the assembly together with no torque pressure. Although there are many types of pins like Dowel Pins, Pull Dowel Pin, Parallel Pin, Taper Pins, etc. and all the pins have been designed for a special jobs.

Dowel Pins are accurately dimensional pins that are pressed into one assembly part and slipped into another assembly part ensure accurate alignment.

Pins are made from Steel or Stainless Steel, and are unhardened or heat-treated depending upon required standard.



APPLICATIONS DOWEL PINS

JIGS & FIXTURES

CYLINDER HEADS

POWER TRAIN

TRANSMISSION













LOCKS / LEVERS

CONNECTING ROD



DOWEL PINS

Product Range

| | FROM | UPTO |
|--|-------|------|
|  DIN 1- 1981 Unhardened Taper Dowel Pin | 1.5MM | 30MM |
|  DIN 7- 1981 Tolerance Class "m6" Unhardened & Ground Dowel Pin | 1.5MM | 30MM |
|  DIN 7- 1981 Tolerance Class "h8" Unhardened & Ground Dowel Pin | 1.5MM | 30MM |
|  DIN 6325- 1971 Tolerance Class "m6" Hardened & Ground Dowel Pin | 1.5MM | 30MM |
|  DIN 7978-1978 Unhardened Taper Pin with Internal Thread | 6MM | 30MM |
|  DIN 7979 FORM D - 1977 Tolerance Class "m6" Pin with Internal Thread | 4MM | 30MM |
|  ISO 2338 - 1997 Unhardened & Ground Dowel Pin | 1.5MM | 25MM |
|  ISO 2339-1986 Unhardened Taper Dowel Pin | 1.5MM | 30MM |
|  ISO 8734 - 1997 Hardened & Ground Dowel Pin | 1.5MM | 30MM |
|  ISO 8735 - 1997 Hardened & Ground Pin with Internal Thread | 4MM | 30MM |
|  ASME B 18.8.2 - 2020 Hardened & Ground Machine Dowel Pins - Standard Series | 1/16" | 1" |
|  Unhardened & Ground Taper Dowel Pins As Per ASME B 18.8.2-2020 | #7/0 | #11 |
|  UPS NORM 1002 - Through Hardened & Ground PULL DOWEL Pins | 1/4" | 1" |
|  UPS NORM 1015 - (PRESS FIT) Parallel Pins of Austenitic Stainless Steel | 1/16" | 1" |
|  UPS NORMS 1018 - Parallel Pins (SLIP FIT) of Austenitic Stainless Steel | 1/32" | 1/4" |
|  UPS NORM 1036- Hardened & Ground Machine Dowel Pins (Martensitic Stainless Steel) | 1/16" | 1" |

AUTOMOTIVE FASTENERS

ENGINE FASTENERS



Piston Pin & Dowel Pins



12 Corner Bolts TORX and Clamp



Cylinder Head Bolt & Connecting Rod

BRAKE APPLICATION FASTENERS



Tie Rod & Adaptors



Rod Piston & Rod Operating



Output Rod



Guide Rod

SEATING & BODY FASTENERS



Wheel Bolts



Rivet



Hex Flange Screw



Spacer

TRANSMISSION COMPONENTS



Spacer



Ball Joint



Stud Bolt

INDUSTRIAL FASTENERS



DIN 912
ANSI B. 18.3
(BS 2470)



DIN 7991
ANSI B. 18.3
(BS 2470)



ISO 7380
ANSI B. 18.3
(BS 2470)



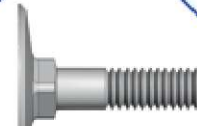
DIN 931 / DIN 933
ANSI B. 18.2.1
(BS 1083 &
BS 1768)



SQUARE HEAD
ANSI B. 18.6.2



DIN 923



ELEVATOR
BOLT



DIN 705



PENTA
HEAD



DIN 84
(ISO 1207)



DIN-125
(ISO 7089)



ISO 2341



DIN 444



DIN 464-1986
DIN 466-1956



DIN 466-1986
DIN 466-1956



DIN 467



DIN 478



DIN 479



DIN 480



DIN 546



DIN 561



DIN 564



DIN 609
DIN 610



DIN 653



DIN 935 &
DIN 937



TAPTITE PRO® FASTENERS



Baar, 16. July 2021

To Whom it May Concern

LICENSE CERTIFICATION

We, CONTI Fasteners AG, herewith confirm that

Universal Precision Screws (UPS Lakshmi)
NH-10, Kharawar By Pass, Rohtak-124001
Haryana
India

is an official manufacturing licensees of CONTI Fasteners AG, Baar/ Switzerland.
This Manufacturing License allows Universal Precision Screws (UPS Lakshmi) to
manufacture and supply the genuine TRILOBULAR® products worldwide and
REMFORM® products in India only with the registered Trademarks listed (but not
limited to) below

| | | | |
|---------------------|--------------------|----------------|--------------|
| TAPTITE® PRO™ | TAPTITE® PRO™ "SP" | TAPTITE 2000® | PLASTITE® |
| TAPTITE 2000® "SP" | DUO-TAPTITE® | SUPER-TAPTITE® | B-TITE® |
| POWERLOK® | POWERLOK® li™ | KLEERLOK® | S-TITE® |
| TAPTITE li® | PUSHTITE® li™ | KLEERTITE® | C-TITE® |
| FASTITE® 2000™ | PUSHTITE® | EXTRUDE-TITE® | P-TITE® |
| EXTRUDE-TITE® 2000™ | MAGTITE® 2000™ | REMFORM® | REMFORM® li™ |

among other REMFORM® and TRILOBULAR® products.

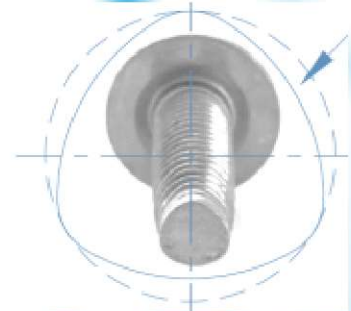
The fastener products listed above are patented products and/or trademarks
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CONTI FASTENERS AG


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TAPTITE® PRO™
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EXTRUDE-TITE® 2000™

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MAGTITE® 2000™

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KLEERLOK®
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TAPTITE PRO® FASTENERS

TAPTITE® thread rolling screws roll form threads in plain cored, drilled, or punched holes upon assembly. Creating vibration resistant assemblies, eliminating the need to pre-tap internal threads in ductile materials such as steel, aluminum, zinc, etc., thus lowering the cost of assembly.

Thread Forming Fasteners

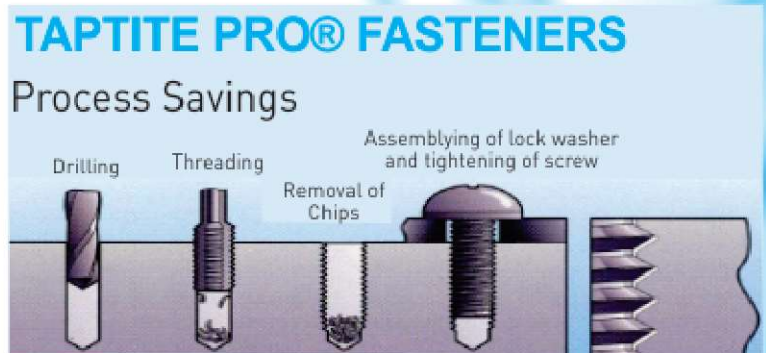
Potential Cost savings

Part Cost Reduction

- Prevailing
- Torque Nuts
- Lock Washers
- Adhesives
- Patches

Direct Labor Costs

- Drilling
- Tapping
- Hand Starting
- Cleaning
- Work-In-Progress Management
- Inspection of Threaded Holes
- Repairs, Due to Cross Threading, In-Line and Off-Line











Capital Equipment Investment

- Eliminate drilling and tapping stations
- Tapping Equipment
- Cleaning Equipment
- Inspection Equipment



AEROSPACE & DEFENCE FASTENERS

| SPECIAL AEROSPACE / DEFENCE APPLICATION | | NAS Standard | NASM / MS STANDARD |
|---|----------------------------|-------------------------------------|------------------------------------|
|  | Socket Head Cap Screws | NAS 1351, 1352 | NASM 16995,96, NASM 24673/74/77 |
|  | Socket Counter Sunk Head | NAS 1189, 1151 TO 58, 1102 | NASM 24671 |
|  | JO Bolt | NAS 1669 | |
|  | Special Jam nut | NAS 1423/NAS 509 | NASM18063/64/67 |
|  | Dowel pins | NAS 607 | NASM16556 |
|  | Socket Pan Head Cap Screws | NAS 7800 TO 7806 | |
|  | Hex Head Bolts/ Screws | NAS 1802, 1303 To 20, 6703 to 20 | NASM 21262, 21295 |
|  | Hex Nuts/Flange Nuts | NAS 1291 | NASM 21043 |



PRODUCTION CAPABILITIES

- FORGING (COLD / HOT)
- WARM FORMING
- PARTING
- STRAIGHTENING
- FACING & CENTERING
- CNC TURNING
- KNURLING
- MILLING
- DRILLING
- TAPPING
- GROOVING
- THREAD ROLLING
- HEAT TREATMENT OPERATIONS (NADCAP)
 - NORMALIZING, CASE CARBURISING,
 - HARDENING, ANNEALING, TEMPERING
- SHOT BLASTING
- CENTRE LESS GRINDING
- MAGNETIC CRACK DETECTION (NADCAP)
- BUFFING
- BROACHING
- FLUORESCENT PARTICLE IDENTIFICATION (NADCAP)
- STAMPING
- ULTRA SONIC CLEANING
- EDDY CURRENT TESTING
- SUPER FINISHING MACHINE



QUALITY TESTING EQUIPMENTS

- HARDNESS TESTER (ROCKWELL/BRINELL/VICKER)
- IMPACT TESTING MACHINE
- SPECTROMETER FOR MATERIAL ANALYSIS
- ELECTRONIC TENSOMETER - 2 TONS
- DELTASCOPE (FOR COATING THICKNESS)
- SALT SPRAY CHAMBER
- TORQUE TENSION EQUIPMENT
- UNIVERSAL TESTING MACHINE
- MICROSCOPE (METALLURGICAL)
- MILLIPORE TESTING
- CONTOUR MEASURING MACHINE
- X-RAY COATING THICKNESS MACHINE
- OPTICAL SORTING MACHINE
- GRIND POLISH MACHINE
- PROFILE PROJECTOR
- TENSILE MACHINE WITH HIGH TEMP - 10 TONS
- LASER SCAN MICROMETER
- ROUNDNESS TESTER
- EMISSION SPECTROMETER
- SURFACE ROUGHNESS TESTER
- EDDY CURRENT TESTING
- MAGNETIC PARTICLE INSPECTION
- FLUORESCENT PENETRANT INSPECTION
- XRF TESTER
- ZOOM STERO MICROSCOPE



RAW MATERIAL

MATERIALS & GRADES

- Low Carbon Steel Unhardened Pins, ISO 898 (5.8 & 14H)
- Alloy Steel ISO 898 (8.8, 10.9, 12.9, 22 H, 33 H, 45 H), ESW-85
ASTM A354 (BC & BD), A 574, F835, F 912, 35NCD16
- High Grade Alloy Steel Hardened Pins, ASTM A193 (B7 & B16),
- Stainless Steel ISO 3506 (A2, A4), ASTM F837 (CW), ASTM F879 (CW),
ASTM F880 (CW), ASTM A193 (B8 & B8M)
- Special Purpose Stainless Steel A-286, 15-5 PH, 17-4 PH, AISI 410, AISI 416, AISI 431.
- Brass
- Inconel
- Titanium
- Nimonic-80A & 90
- Cobalt Base L605
- Haynes 282
- Waspaloy
- Aluminum

FINISHES

COATING

- Zinc Plating in White, Blue, Yellow, Green & Black (ISO 4042).
- Zinc Flake Coating (ISO 10683).
- Zinc Iron & Zinc Manganese Plating.
- Trivalent or Hexa Chrome Free Plating (ROHS).
- Cadmium Plating.
- Zinc Phosphating & Manganese Phosphating
- Stainless Steel Passivation (AMS 2700)
- Titanium & Aluminum Anodizing





OUR SUSTAINABLE MEASURES



Carbon Neutral

Zero Liquid Discharge Initiative



Solar Equipped Campus

Tree Plantation Drives



Air Quality Index Monitoring

Manure Making From Food Waste Machine Installed



UNIVERSAL PRECISION SCREWS

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